FUJITSU

shaping tomorrow with you

Network solutions for airbases

Airbases are bound by the strictest standards of safety and operate advanced, high-performance data systems. Since these systems support air traffic control, runway lighting, weather monitoring and other critical functions, they must be absolutely dependable and continuously operational. These requirements can only be served with a properly outfitted data and communications network infrastructure. Networks installed at airbases must therefore conform to appropriate technical standards and meet demanding benchmarks for reliability and performance.

Trusted to deliver end-to-end solutions
Fujitsu is at the center of the rapidly modernizing communications network industry. In addition to our prior track record of successful installations at ground and air bases, we bring to the table decades of valuable experience with telecom carriers, civilian government agencies, and enterprises. Our industry perspective and focus on trusted partnership with our customers support your objectives from problem to solution to outcome.

Fujitsu: a unique business partner
- Customized solutions
- Comprehensive, end-to-end offerings
- High emphasis on reliability and quality
- Manufacturing and service operations based in U.S.
- 25 years in North American network industry
- Fortune 500 corporation with global perspective and presence

Field-proven, dependable bandwidth
The Fujitsu FLASHWAVE® 4100 ES Packet Optical Networking Platform (Packet ONP) offers a targeted optical networking solution for the specific needs of air bases. The platform has been tested and approved by JITC and favorably evaluated by the FAA for deployment at airports under its authority.

This highly cost-competitive, environmentally-hardened platform is optimized to deliver traditional private line and next-generation Ethernet over SONET (EoS) data services. The FLASHWAVE 4100 ES system provides the data backbone for runway operations in support of lighting systems, glide slope indicators, NAVAID, and other key functions. The system's highly scalable architecture guarantees that it can provide the data backbone at virtually any size airport, ranging from modest regional airports to large U.S. international airports.

A simple, compact, flexible platform
The FLASHWAVE 4100 ES system can be easily configured to meet the needs of any facility with minimal customization. Its small size (2RU) allows it to be installed in environments where space is at a premium. The FLASHWAVE 4100 ES system is simple to configure, deploy and operate compared to its competitors. This is a key feature given that engineers at most airports are already responsible for multiple complex systems. When paired with the GUI-based Fujitsu NETSMART® 1500 Management System, engineers and system administrators can access detailed, up-to-the-minute information about network equipment, cross-connects and upgrades. The NETSMART 1500 system also supports automatic in-service discovery and provisioning, speeding up service activation.

FLASHWAVE 4100 ES platform features
- Support for both TDM and Ethernet services
- OC3/12/48 and optical hubbing
- Layer 1 and Layer 2 Ethernet support
- Extensive optical reach (20+ miles)
- 99.999% reliability
- 1+1 or UPSR protection support
- 2RU form factor
- "Buy American" status
- In-service provisioning
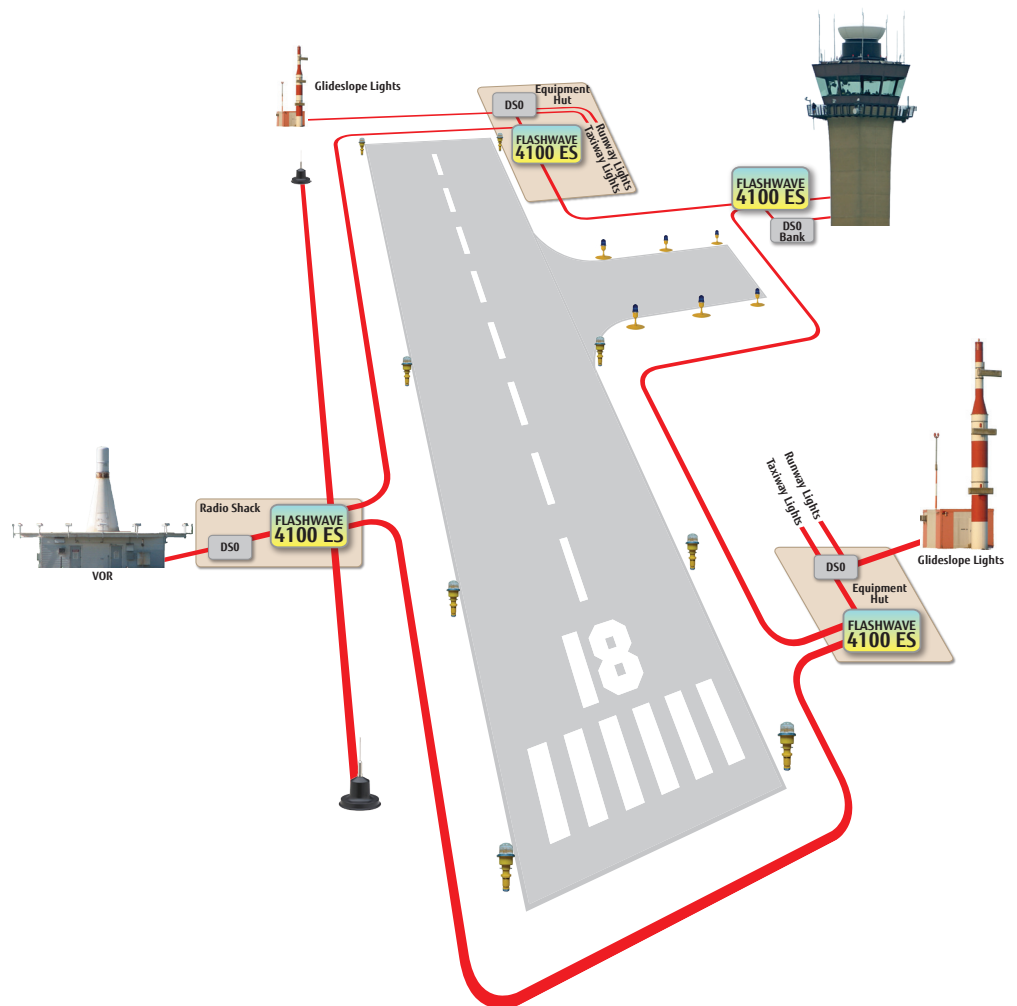- JITC certified

The data backbone for runway operations

Fujitsu U.S. Government-approved optical networking platforms*
- FLASHWAVE 4100 ES Packet ONP
- FLASHWAVE 4500 Multiservice Provisioning Platform
- FLASHWAVE 7500 Metro/Regional Multiservice ROADM
- FLASHWAVE 9500 Packet ONP
- NETSMART 1500 Management System

*Included on the Unified Capabilities (UC) Approved Products List (APL).

FLASHWAVE 4000 series systems and the FLASHWAVE 7500 platform are also JITC-certified.

Glideslope Lights

Equipment Hut

DS0

FLASHWAVE 4100 ES

Runway Lights
Taxiway Lights

FLASHWAVE 4100 ES

DS0 Bank

Radio Shack

DS0

FLASHWAVE 4100 ES

VOR

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Runway Lights
Taxiway Lights

DS0

Equipment Hut

FLASHWAVE 4100 ES

Glideslope Lights

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